Indiana Crop & Weather Report

INDIANA AGRICULTURAL STATISTICS
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Released: Monday, 3PM September 25, 2000 Vol. 50, #25 West Lafayette, IN 47907

CROP REPORT FOR WEEK ENDING SEPTEMBER 24

Corn and soybean harvest made good progress early in the week before showers slowed field activities, according to the Indiana Agricultural Statistics Service. Most areas received some rain and strong winds occurred in isolated areas. Farmers are concerned with lodging problems in corn fields.

CORN

Corn **condition** is rated 71 percent good to excellent compared with 73 percent last week and 29 percent last year at this time. Eighty percent of the corn acreage is **mature** compared with 92 percent last year and 68 percent for the average. By region, 75 percent of the corn acreage is mature (safe from frost) in the north, 83 percent in the central region and 82 percent in the south. Fourteen percent of the corn acreage is **harvested** compared with 23 percent last year and 11 percent for the 5-year average. **Moisture** content of harvested corn is averaging 23 percent.

SOYBEANS

Soybean **condition** is rated 64 percent good to excellent compared with 64 percent last week and 23 percent last year. Eighty-five percent of the soybean acreage is **shedding leaves** compared with 94 percent a year earlier and 75 percent for the average. Fifty-five percent of the soybean acreage is reported as **mature** compared with 68 percent a year ago and 46 percent for the average. Thirteen percent of the soybean acreage is **harvested** compared with 23 percent last year and 11 percent for the average. **Moisture** content of harvested soybeans is averaging 13 percent.

OTHER CROPS

Pasture condition is rated 11 percent excellent, 56 percent good, 29 percent fair, 3 percent poor and 1 percent very poor. **Tobacco** harvest is 85 percent complete compared with 90 percent last year and 77 percent for the 5-year average. Four percent of the **winter wheat** acreage is seeded compared with 5 percent last year and 6 percent for the average.

DAYS SUITABLE and SOIL MOISTURE

For the week ending Friday, 5.2 days were rated **suitable for fieldwork** . **Topsoil moisture** was rated 2 percent very short, 8 percent short, 77 percent adequate and 13 percent surplus. **Subsoil moisture** was rated 7 percent very short, 16 percent short, 70 percent adequate and 7 percent surplus.

CROP PROGRESS

Crop	This Week	Last Week	Last Year	5-Year Avg
	Percent			
Corn in Dent	100	98	100	95
Corn Mature	80	60	92	68
Corn Harvested	14	7	23	11
Soybeans Shedding Lv	85	72	94	75
Soybeans Mature	55	27	68	46
Soybeans Harvested	13	3	23	11
Winter Wheat Seeded	4	2	5	6
Tobacco Harvested	85	78	90	77

CROP CONDITION

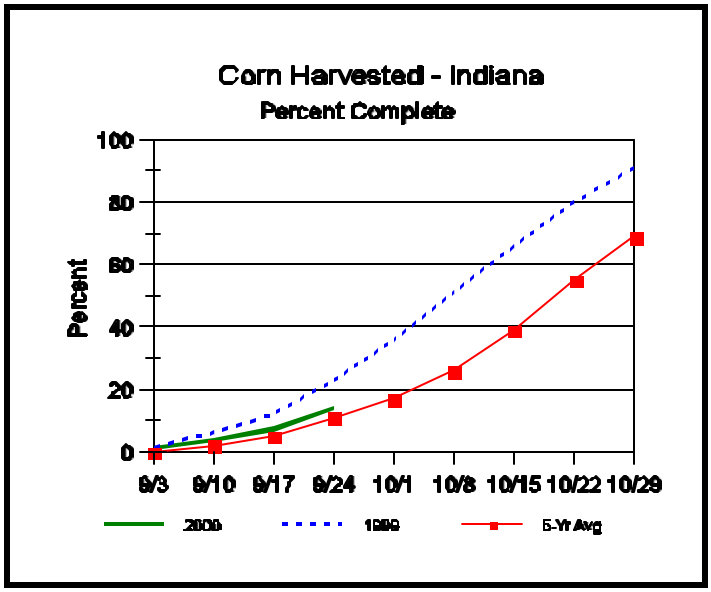
Crop	Very Poor	Poor	Fair	Good	Excel-lent
			Percent		
Corn	1	4	24	51	20
Soybeans	1	7	28	50	14
Pasture	1	3	29	56	11

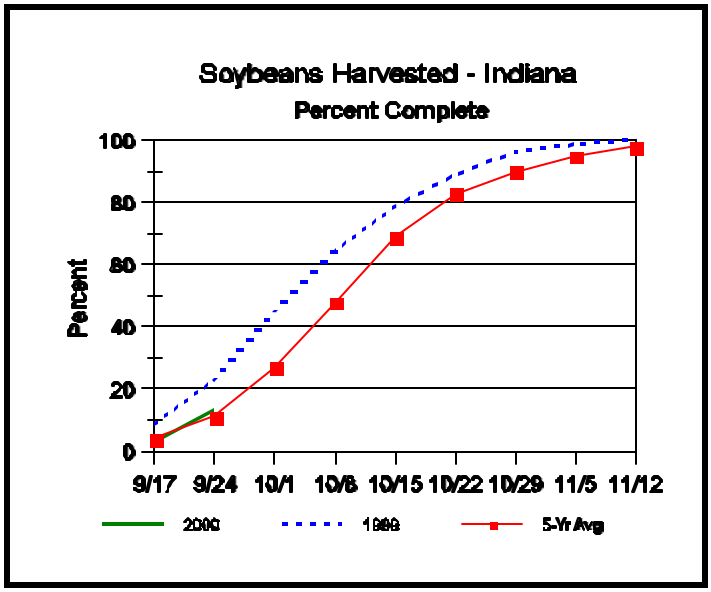
SOIL MOISTURE

	This Week	Last Week	Last Year
		Percent	
Topsoil			
Very Short	2	1	75
Short	8	9	22
Adequate	77	78	3
Surplus	13	12	0
Subsoil			
Very Short	7	6	70
Short	16	18	26
Adequate	70	70	4
Surplus	7	6	0

--Ralph W. Gann, State Statistician
--Bud Bever, Agricultural Statistician
E-Mail Address: nass-in@nass.usda.gov
http://info.aes.purdue.edu/agstat/nass.html

Crop Progress





New Wheat Variety Improves Management of Hessian Fly

- Seed of new variety will be available for planting in fall 2000
- Planting after the fly-free date is a key management strategy for reducing Hessian fly problems
- Highest levels of infestation occur in Southwest Indiana

As reported in 1999, a new soft red winter wheat variety resistant to Hessian fly biotype L (designated as INW9811 by Purdue University) is available to Indiana wheat growers. Although many wheat varieties grown in Indiana have the H5 or H6 genes for Hessian fly resistance, INW9811 is the only variety resistant to biotype L, which is predominant in fly populations throughout the state. INW9811 was developed in cooperation with the USDA and released by Purdue in 1998 through the licensing program.

INW9811 has performed well in field trials conducted by Ag. Alumni Seeds across the southern cornbelt and in Indiana. A comparison of yield of INW9811 with Madison, AP Foster, Pioneer 2540, Patterson and Clark at four locations are shown below. INW9811 is early, heads 1 day later than Clark, and has resistance to glume blotch, leaf blotch, soilborne mosaic and wheat yellow mosaic viruses. It has excellent soft wheat milling and baking qualities.

INW9811 has demonstrated excellent resistance to field populations of the Hessian fly from Illinois,Indiana, northern Alabama and Arkansas, southern Delaware and Maryland, and eastern North Carolina that have a high frequency of biotype L.

Commercial seed of INW9811 will be available for planting the fall of 2000. Parties interested in further information can contact Jon Stafford, Purdue Ag. Alumni Seeds, West Lafayette, IN. The toll-free number is 800-822-7134.

Although Hessian fly populations remain low throughout Indiana, the potential for flies to infest fall-planted winter wheat still exists, especially in the southwestern counties. Much of the fall fly population can be avoided by planting after the fly free date. This is key to avoiding subsequent infestation by the spring brood. Additionally, it has been shown that following the fly-free date will help reduce wheat disease problems and reduce winter kill from excessive growth. To determine the fly-free date for your area of the state, refer to the enclosed map. Crop rotation, where wheat following wheat is avoided, also is one of the key management strategies for reducing Hessian fly problems. The Hessian fly passes the summer in the stubble of the current wheat crop. Plowing the stubble results in the destruction of the pest. Volunteer wheat, the wheat seedlings sprouting in the

(Continued on Page 4)

Comparison of Yield of INW9811.

Variety	Sullivan, IN	Ursa, IL	Centralia, IL	Columbia, MO	Yield Avg.
Madison	74.6	60.6	82.0	62.8	70.0
AP Foster	76.5	65.8	75.7	55.1	68.3
Pio.2540	59.5	64.0	80.4	67.2	67.8
INW9811	73.8	61.8	69.4	62.5	66.9
Patterson	76.9	52.6	74.7	57.8	65.6
Clark	66.0	47.2	78.2	58.6	62.5
	71.0	**56.6**	**74.9**	**59.9**	**65.6**

Weather Data

Week ending Sunday September 24, 2000

Station	Past Week Weather Summary Data							Accumulation				
								April 1, 2000 thru September 24, 2000				
	Air Temperature				Precip.		Avg 4 in Soil	Precipitation		GDD Base 50°F		
	Hi	Lo	Avg	DFN	Total	Days	Temp	Total	DFN	Days	Total	DFN
Northwest (1)												
Valparaiso_Ag	88	43	63	+1	0.72	4		25.06	+1.77	77	2725	+13
Wanatah	90	42	62	+1	1.29	4	66	25.30	+2.77	70	2600	+10
Wheatfield	91	42	64	+3	0.36	3		23.73	+1.86	56	2797	+149
Winamac	87	43	63	+1	0.62	3	65	22.97	+1.18	62	2737	+10
North Central (2)												
Logansport	87	46	64	+2	0.92	3		24.55	+3.47	69	2825	+5
Plymouth	86	44	63	-1	0.73	3		25.55	+3.34	73	2613	-255
South_Bend	86	45	64	+2	0.86	4		22.07	+0.49	74	2703	+13
Young_America	88	42	65	+3	0.77	3		22.39	+1.31	65	2886	+66
Northeast (3)												
Bluffton	84	44	64	+1	1.10	3	62	23.73	+2.84	71	2815	-76
Fort_Wayne	84	42	65	+3	1.87	3		25.85	+6.46	65	2794	-24
West Central (4)												
Crawfordsville	85	39	63	-1	1.81	3	66	24.38	+1.69	61	2731	-282
Perrysville	87	41	65	+2	0.90	3	67	22.00	-1.00	67	2960	+3
Terre_Haute_Ag	89	42	66	+2	1.19	3	69	31.70	+8.58	69	3398	+245
W_Lafayette_6NW	89	42	66	+4	0.48	4	64	19.41	-2.14	70	2939	+134
Central (5)												
Castleton	84	44	64	-2	1.05	3		30.38	+8.30	81	2977	-142
Greenfield	83	44	65	+0	1.32	3		29.04	+5.40	73	2993	-15
Greensburg	84	45	65	+2	1.10	3		27.94	+4.97	77	3090	+161
Indianapolis_AP	84	45	67	+3	0.91	3		24.48	+2.89	63	3181	+55
Indianapolis_SE	82	45	65	+0	0.81	3		27.22	+5.14	65	2928	-191
Tipton_Ag	85	41	64	+2	2.02	3	63	24.23	+2.34	67	2655	-65
East Central (6)												
Farmland	84	42	63	+2	0.79	3	61	29.41	+8.08	72	2737	+80
New_Castle	80	43	61	-2	1.05	3		27.18	+4.58	67	2448	-275
Southwest (7)												
Dubois_Ag	85	48	66	+1	0.90	2	69	27.26	+2.40	73	3367	+180
Evansville	87	48	69	+3	0.97	3		23.95	+2.18	68	3636	+16
Freelandville	85	47	66	+1	1.16	2		29.19	+6.51	58	3289	+33
Shoals	85	42	65	-1	0.74	2		30.82	+6.32	70	3146	-12
Vincennes_5NE	88	48	67	+2	0.30	2	68	32.22	+9.66	65	3340	+84
South Central (8)												
Bloomington	85	45	65	-1	1.33	2		27.68	+4.51	60	3021	-180
Tell_City	86	46	67	+0	0.62	2		26.51	+1.55	58	3550	+54
Southeast (9)												
Scottsburg	85	44	65	-1	0.96	3		31.80	+8.46	63	3307	+63

DFN = Departure From Normal (Using 1961-90 Normals Period).
GDD = Growing Degree Days.
Precipitation (rain or melted snow/ice) in inches.
Precipitation Days = Days with precipitation of 0.01 inch or more.
Air Temperatures in Degrees Fahrenheit.

The above weather information is provided by AWIS, Inc.
For detailed ag weather forecasts and data visit the AWIS home page at
www.awis.com or call toll free at 1-888-798-9955.

NEW WHEAT VARIETY IMPROVES MANAGEMENT OF HESSIAN FLY (CONTINUED)

fall from grain left in the field during threshing, germinates and begins growing just in time for the fall emergence of the Hessian fly. These plants are readily infested resulting in a rapid build-up of the population. The use of resistant varieties, in combination with the above pest management strategies, increases the chance for a fly-free crop.

Specific characteristics and yield potential of varieties presently grown in Indiana can be determined by consulting Purdue Station Bulletin "Performance of Public and Private Small Grains in Indiana - 1998", web access: http://shawdow.agry.purdue.edu/agronomy/ext/smgrain/variety/sm~var.htm or talk to your seed dealer.

Source: Roger Ratcliffe and Rich Edwards, Dept. of Entomology, Purdue University.

"FLY-FREE" DATES FOR SEEDING WHEAT

The INDIANA CROP WEATHER REPORT (USPS 675-770), (ISSN 0442-817X) is issued weekly April through November by the Indiana Agricultural Statistics Service, Purdue University, 1148 AgAd Bldg, Rm 223, West Lafayette IN 47907-1148. Second Class postage paid at Lafayette IN. For information on subscribing, send request to above address. POSTMASTER: Send address change to the Indiana Agricultural Statistics Service, Purdue University, 1148 AgAd Bldg, Rm 223, West Lafayette IN 47907-1148.